



CLAIMS

10. An isolated molecule containing two antigen binding sites and complementary determining segments positioned at opposite ends of the molecule, the molecule comprising:

- a) a purified first moiety containing a first antigen binding region bound to a first antigen non-binding region; and
- b) a purified second moiety containing a second antigen-binding region bound to a second antigen-non-binding region, whereby the moieties are engineered so as to be juxtaposed to each other in an unnatural configuration, and wherein the first moiety and second moiety are derived from the same gene.

11. The molecule as recite in claim 10 wherein the first moiety and the second moiety light chain variable domains.

12. The molecule as recited in claim 10 wherein the first antigen-binding region and second antigen-binding region are identical.

13. The molecule as recited in claim 10 wherein the first moiety is covalently attached to the second moiety.

14. The molecule as recite in claim 10 wherein the molecule has a weight of between 20,000 and 30,000 daltons.

21. The molecule as recited in claim 10 wherein each antigen binding site comprises a complementary determining region and a framework region of a variable light chain protein.